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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/834,363	04/12/2001	Richard Schroeppel	2944.2.3	7686
75	90 02/02/2004		EXAM	INER
RICHARD SC	CHROEPPEL		MALZAHN, DAVID H	
500 S. MAPLE DRIVE WOODLAND HILLS, UT 84653			ART UNIT	PAPER NUMBER
			2124	4
			DATE MAILED: 02/02/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
,	09/834,363	SCHROEPPEL, RICHARD			
Office Action Summary	Examiner	Art Unit			
2	David H. Malzahn	2124			
The MAILING DATE of this communica		th the correspondence address			
Period for Reply					
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICATION OF THIS COMMUNIC	ATION. 37 CFR 1.136(a). In no event, however, may a rication. lays, a reply within the statutory minimum of thir ory period will apply and will expire SIX (6) MON I by statute cause the application to become AE	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed	on				
24)	☑ This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) 2 and 3 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-3 are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the 10) The drawing(s) filed on 12 April 2001 is Applicant may not request that any objection Replacement drawing sheet(s) including the 11) The oath or declaration is objected to be	s/are: a) \square accepted or b) \square obje on to the drawing(s) be held in abeya ne correction is required if the drawing	nce. See 37 CFR 1.85(a). n(s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. §§ 119 and 120					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO 3) Information Disclosure Statement(s) (PTO-1449) Paper Notice of Draftsperson's Patent Drawing Review (PTO-1449) Paper Notice of References Cited (PTO-892)	O-948) 5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)			

Art Unit: 2124

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claim 1, drawn to division, classified in class 708, subclass 650.
 - II. Claims 2 and 3, drawn to quadratic equations, classified in class 708, subclass492.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as in a DSP with arithmetic including division but not quadratic equation capability. See MPEP § 806.05(d).
- Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. During a telephone conversation with Mr. Richard Schroeppel on 26 January 2004 a provisional election was made with traverse to prosecute the invention of Group I, claim 1.

 Affirmation of this election must be made by applicant in replying to this Office action. Claims 2-3 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Art Unit: 2124

Claim Rejections - 35 USC § 101

5. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 1 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The claim is directed to a process, i.e. division, that does nothing more than solves a mathematical problem. The claim consists solely of mathematical operations without some claim practical application, note MPEP 2106 (IV) (B) (1).

Claim Rejections - 35 USC § 112

6. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims are required to be written as a single sentence with a single capital letter. Claim 1 has three capital letters. It is unclear as to whether the claim is directed to a circuit, a computer program or a method. In lines 5-6 the phrase "a linear combination of ... registers" is indefinite. Lines 8-10 clearly fail to recite the sequence of operations that are necessary to build up the reciprocal. Relative to the last seven lines of the claim the recited initializing is clearly not sufficient to compute the required quotient. The claim is required to be rewritten in accordance with U.S. practice.

Art Unit: 2124

Specification

- 7. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.
- 8. The status of the applications referenced on page 1 are required to be kept current.

Conclusion

- 9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Malzahn whose telephone number is (703) 305-9762. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on (703) 305-9662. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

David H. Malzatin Primary Examiner Art Unit 2124

Art Unit: 2124

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Primary Examiner

Art Unit 2124